



Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

Final Project Report

Project Name: Online Quiz App

Course: Software Development III (CSE 2200)

Year: 2nd **Semester:** 2nd

Section: A2

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Overview

'Online Quiz App' is a gaming, entertaining and educational application. The application is designed to be used by person of different ages. It has features that enable its users to use the app as to gain knowledge and to have some fun at their leisure time. Users can come to know about current situations and the past histories as well. For kids it's a great learning machine.

Features (done and undone)

Features that are done:

- Splash Screen: showing the app name and app credits.
- Sign-Up: The user can sign up/register by entering the user name, setting a password and entering the email address.
- Sign-In: For signing in/logging in, the user has to use the name and password he has given while signing up.
- Categories:
In the home page there are two buttons. One of them is "Categories". There are different categories to play the game. But we have added 8 categories. They are: Football, Comic, Geo, Music, Astronomy, Movies, Programming and Food.

- Play Game:

When user selects a category, there will be a 'PLAY'. By clicking 'PLAY' button, he will be asked questions on the basis of the category he has chosen. For one question, there are four choices for the user and he has to answer within 7seconds. User can see the time by a progress bar on upper side of the questions. Weight of correct answer is 10. If he gives the correct answer then the next question will appear else the game ends.

- Ranking all users:

The summation of all scores of the user which he gets by giving the correct answer is the Rank of that user.

- Scoreboard: The total score, the number of correct question answered are shown after the game finishes. The progress bar also shows the number of correct question answered. If the user wants to play again he has to press the "Try Again" button.

- Ranking all users: The home page contains another button named "Ranking". By pressing the button user can see his ranking. User's name and total score appears with his rank. The ranking is done based on the summation of all the scores in all categories of one user.

- Daily Notification:

Showing notification to keep the user use the app daily (We coded but it's not working).

Features that are undone:

- Push Notification:

App owner can directly send message to all the users.

- Set Notification time(Reminder):

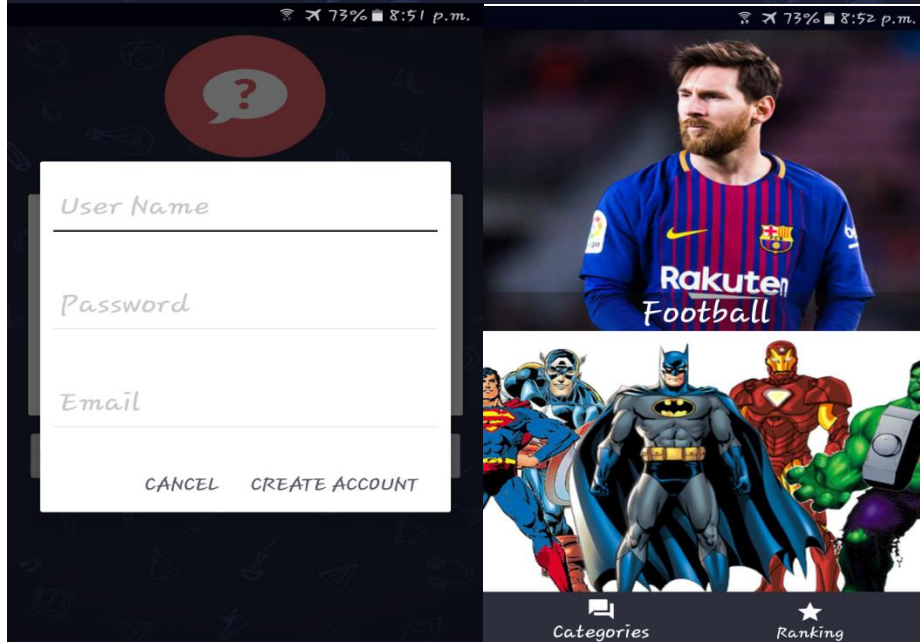
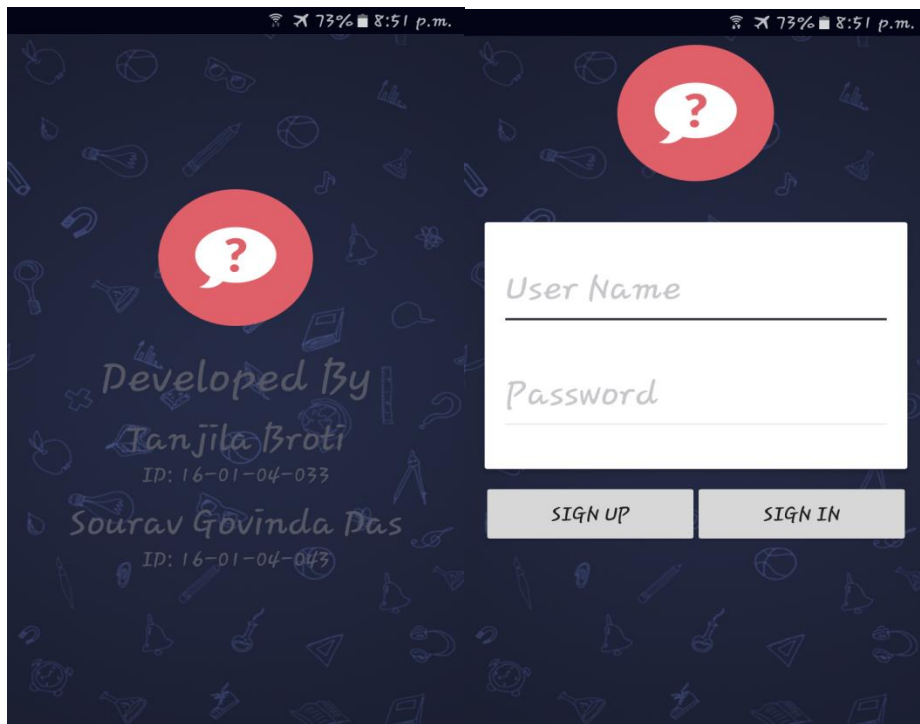
A specific time set by the user to remind him to play the game.

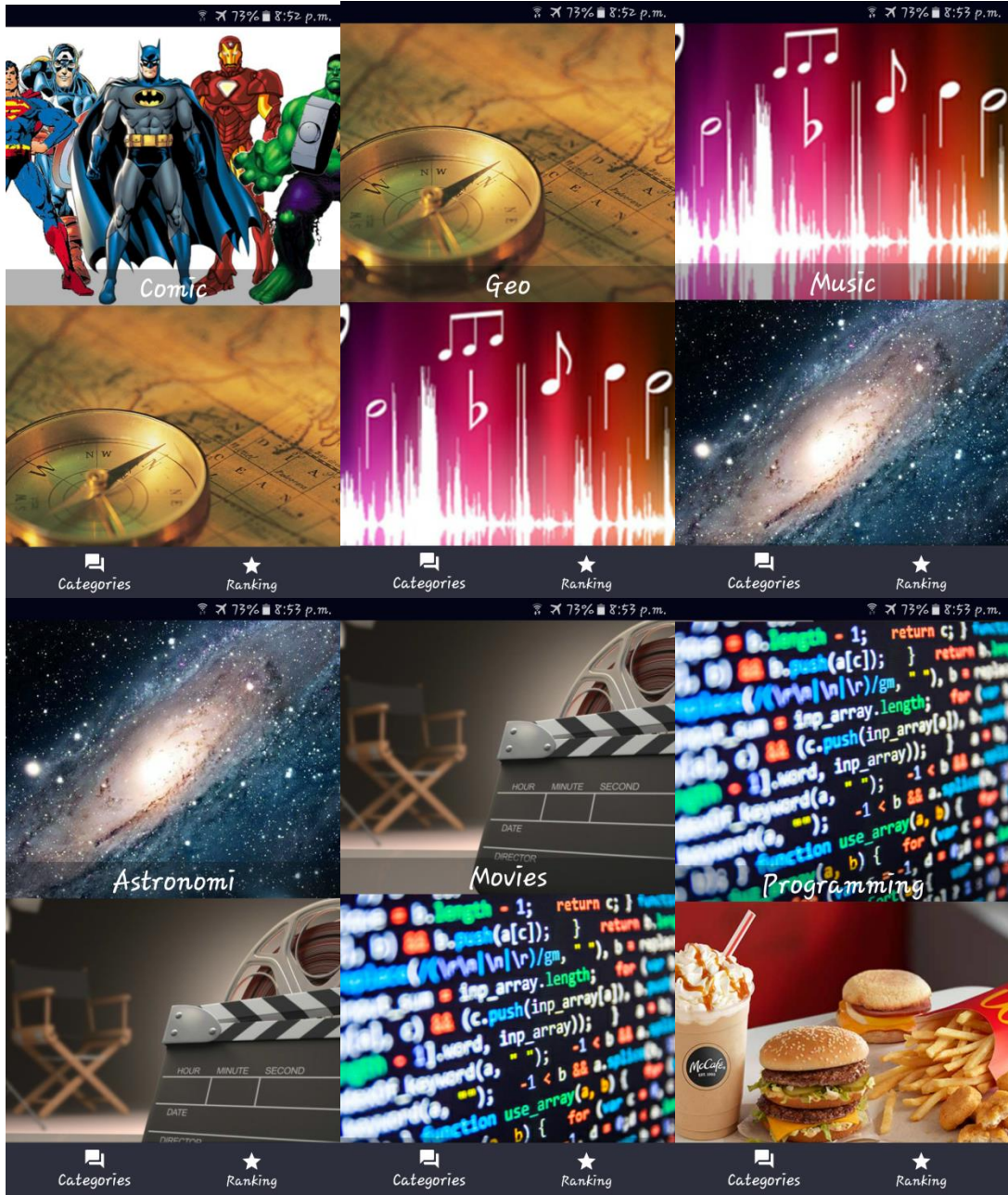
Working Principle

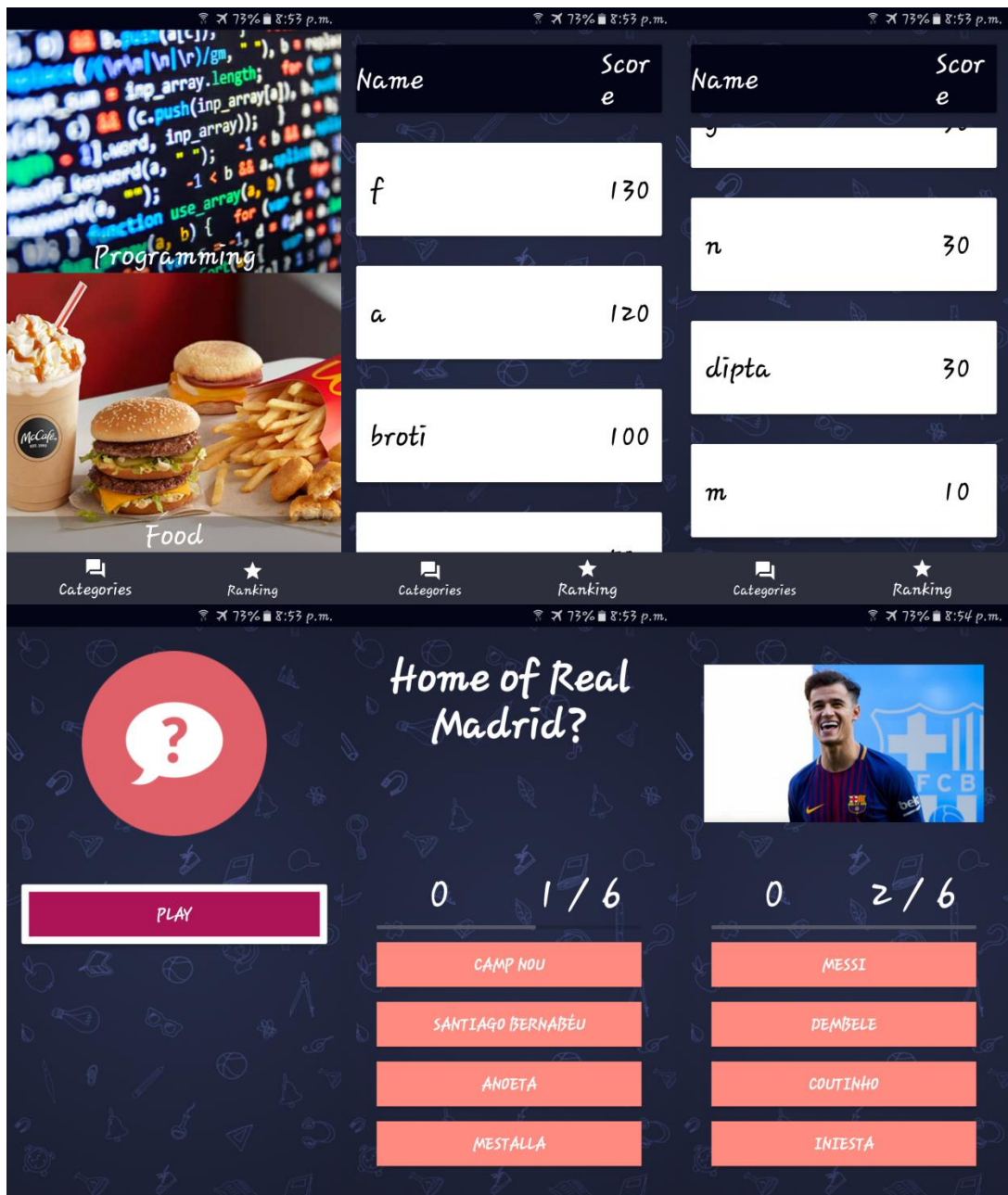
- ✓ When the app is opened, a splash screen is shown for 2seconds and then a layout containing the login page is shown.
- ✓ If the user wants to sign up, he has to press the “SIGN UP” button where he has to enter name password and email of him, else if he wants to sign in the “SIGN IN” button where he has to enter the name and password he has provided while signing up.
- ✓ In the home page there are two buttons. One is “CATEGORIES” and another is “Ranking”. The categories are shown just after signing in.
- ✓ When user selects a category, another playing layout is shown and there is a “PLAY” button.

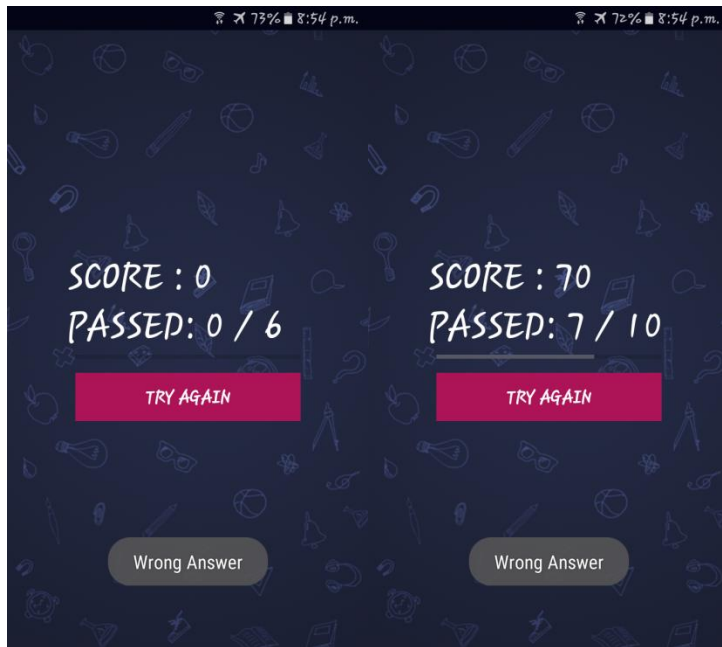
- ✓ By clicking the button user can play the game, the user will be asked questions on the basis of the category he has chosen. For one question, there are four choices for the user and he has to answer within 7seconds. User can see the time by a progress bar on upper side of the questions. Weight of correct answer is 10. If he gives the correct answer then the next question will appear else the game ends.
- ✓ The total score, the number of correct question answered are shown after the game finishes. The progress bar also shows the number of correct question answered. If the user wants to play again he has to press the “Try Again” button.
- ✓ The home page contains another button named “Ranking”. By pressing the button user can see his ranking. User’s name and total score appears with his rank.

Screenshots









Conclusion (with possible future work)

ONLINE QUIZ APP can be used by different ages of people but students and kids are mostly benefited by it. It has a lot of scope for future developments such as:

- Users will be able to sync their account with social media as well.
- Audio questions can be added.
- Multiple languages will be available for the app.
- More categories can be added.